



**Line and Load Reactor Selection - 230V AC Drives**

230 VAC 1Ø 50/60 Hz AC Drive Input Line Reactors					
Drive Order Code	Built-in Inductor	Current (A)	Inductance (µH)	Line Reactor Order Code	
SKA1200025	No	6.5	2250	4402-0224	
SKA1200037	No	6.5	2250	4402-0224	
SKA1200055	No	15.1	1000	4402-0225	
SKA1200075	No	15.1	1000	4402-0225	
SKBD200110	No	15.1	1000	4402-0225	
SKBD200150	No	26.2	500	4402-0226	
SKCD200220	No	26.2	500	4402-0226	
SKDD200300	Yes	26.2	500	4402-0226	
SPO201	No	6.5	2250	4402-0224	
SPO202	No	15.1	1000	4402-0225	
SPO203	No	15.1	1000	4402-0225	
SPO204	No	15.1	1000	4402-0225	
SPO205	No	26.2	500	4402-0226	
230 VAC 3Ø 50/60 Hz AC Drive Input Line Reactors					
Drive Order Code	Built-in Inductor	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
SKBD200110	No	8	1500	19.5	LRL0008-X
SKBD200150	No	12	1250	26	LRL0012-X
SKCD200220	No	12	800	36	LRL0018-X
SKDD200300	Yes	18	800	36	LRL0018-X
SKD3200400	Yes	18	800	36	LRL0018-X
SPO201	No	4	3000	14.5	LRL0004-X
SPO202	No	8	1500	19.5	LRL0008-X
SPO203	No	8	1500	19.5	LRL0008-X
SPO204	No	8	1500	19.5	LRL0008-X
SPO205	No	12	1250	26	LRL0012-X
SP1201	No	8	1500	19.5	LRL0008-X
SP1202	No	12	1250	26	LRL0012-X
SP1203	No	18	800	36	LRL0018-X
SP1204	No	18	800	36	LRL0018-X
y2201	Yes	18	800	36	LRL0018-X
y2202	Yes	25	500	48	LRL0025-X
y2203	Yes	25	500	48	LRL0025-X
y3201	Yes	45	300	54	LRL0045-X
y3202	Yes	55	250	64	LRL0055-X
y4201	Yes	80	200	82	LRL0080-X
y4202	Yes	80	200	82	LRL0080-X
y4203	Yes	100	150	94	LRL0100-X
SP5201	Yes	130	100	108	LRL0130-X
SP5202	Yes	160	75	116	LRL0160-X

230 VAC 3Ø AC Drive Output Load Reactors				
Drive Order Code	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
SKA1200025	2	6000	10.7	LRL0002-X
SKA1200037	4	3000	14.5	LRL0004-X
SKA1200055	4	3000	14.5	LRL0004-X
SKA1200075	4	3000	14.5	LRL0004-X
SKBD200110	8	1500	19.5	LRL0008-X
SKBD200150	8	1500	19.5	LRL0008-X
SKCD200220	12	1250	26	LRL0012-X
SKDD200300	18	800	36	LRL0018-X
SKD3200400	18	800	36	LRL0018-X
SPO201	4	3000	14.5	LRL0004-X
SPO202	4	3000	14.5	LRL0004-X
SPO203	4	3000	14.5	LRL0004-X
SPO204	8	1500	19.5	LRL0008-X
SPO205	8	1500	19.5	LRL0008-X
SP1201	8	1500	19.5	LRL0008-X
SP1202	8	1500	19.5	LRL0008-X
SP1203	12	1250	26	LRL0012-X
SP1204	12	1250	26	LRL0012-X
y2201	18	800	36	LRL0018-X
y2202	25	500	48	LRL0025-X
y2203	35	400	49	LRL0035-X
y3201	45	300	54	LRL0045-X
y3202	55	250	64	LRL0055-X
y4201	80	200	82	LRL0080-X
y4202	100	150	94	LRL0100-X
y4203	130	100	108	LRL0130-X
SP5201	160	75	116	LRL0160-X
SP5202	160	75	116	LRL0160-X

X = (C) for open chassis-mount; (E) for enclosed NEMA 1

**DRIVE ORDER CODE LEGEND:**

y = Commander SK or Unidrive SP

**NOTES:**

Line reactor average impedance is 3%.

Load reactor average impedance is 3%.

Consult factory for different % impedance and enclosure options.

Line and Load Reactor Selection - 460V AC Drives

460 VAC 3Ø 50/60 Hz AC Drive Input Line Reactors					
Drive Order Code	Built-in Inductor	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
SKB3400037	No	2	12000	7.5	LRM0002-X
SKB3400055	No	4	9000	20	LRH0004-X
SKB3400075	No	4	6500	20	LRM0004-X
SKB3400110	No	4	6500	20	LRM0004-X
SKB3400150	No	8	5000	25.3	LRH0008-X
SKC3400220	No	8	3000	29	LRM0008-X
SKC3400300	No	12	2500	31	LRM0012-X
SKC3400400	No	12	2500	31	LRM0012-X
SKD3400550	Yes	18	1500	43	LRM0018-X
SKD3400750	Yes	18	1500	43	LRM0018-X
SP0401	No	2	12000	7.5	LRM0002-X
SP0402	No	4	9000	20	LRH0004-X
SP0403	No	4	6500	20	LRM0004-X
SP0404	No	8	5000	25.3	LRH0008-X
SP0405	No	8	3000	29	LRM0008-X
SP1401	No	8	5000	25.3	LRH0008-X
SP1402	No	8	5000	25.3	LRH0008-X
SP1403	No	8	3000	29	LRM0008-X
SP1404	No	12	2500	31	LRM0012-X
SP1405	Yes	12	2500	31	LRM0012-X
SP1406	Yes	18	1500	43	LRM0018-X
y2401	Yes	18	1500	43	LRM0018-X
y2402	Yes	25	1200	52	LRM0025-X
y2403	Yes	35	800	54	LRM0035-X
y2404	Yes	35	800	54	LRM0035-X
y3401	Yes	35	800	54	LRM0035-X
y3402	Yes	45	700	62	LRM0045-X
y3403	Yes	55	500	67	LRM0055-X
y4401	Yes	80	400	86	LRM0080-X
y4402	Yes	80	400	86	LRM0080-X
y4403	Yes	100	300	84	LRM0100-X
y5401	Yes	130	200	180	LRM0130-X
y5402	Yes	160	150	149	LRM0160-X
y6401	Yes	250	90	231	LRM0250-X
y6402	Yes	250	90	231	LRM0250-X

460 VAC 3Ø AC Drive Output Load Reactors				
Drive Order Code	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
SKB3400037	2	6000	10.7	LRL0002-X
SKB3400055	2	6000	10.7	LRL0002-X
SKB3400075	4	6500	20	LRM0004-X
SKB3400110	4	3000	14.5	LRL0004-X
SKB3400150	4	3000	14.5	LRL0004-X
SKC3400220	8	3000	29	LRM0008-X
SKC3400300	8	1500	19.5	LRL0008-X
SKC3400400	12	1250	26	LRL0012-X
SKD3400550	18	800	36	LRL0018-X
SKD3400750	18	800	36	LRL0018-X
SP0401	2	6000	10.7	LRL0002-X
SP0402	2	6000	10.7	LRL0002-X
SP0403	4	6500	20	LRM0004-X
SP0404	4	3000	14.5	LRL0004-X
SP0405	8	3000	29	LRM0008-X
SP1401	4	3000	14.5	LRL0004-X
SP1402	4	3000	14.5	LRL0004-X
SP1403	8	3000	29	LRM0008-X
SP1404	8	1500	19.5	LRL0008-X
SP1405	12	1250	26	LRL0012-X
SP1406	12	1250	26	LRL0012-X
y2401	18	800	36	LRL0018-X
y2402	25	500	48	LRL0025-X
y2403	35	400	49	LRL0035-X
y2404	35	400	49	LRL0035-X
y3401	35	400	49	LRL0035-X
y3402	45	300	54	LRL0045-X
y3403	80	200	82	LRL0080-X
y4401	80	200	82	LRL0080-X
y4402	100	150	94	LRL0100-X
y4403	130	100	108	LRL0130-X
y5401	160	75	116	LRL0160-X
y5402	200	55	124	LRL0200-X
y6401	250	45	154	LRL0250-X
y6402	250	45	154	LRL0250-X

X = (C) for open chassis-mount; (E) for enclosed NEMA 1

DRIVE ORDER CODE LEGEND:

y = Commander SK or Unidrive SP

NOTES:

- Line reactor average impedance is 3%.
- Load reactor average impedance is 1.5%.
- Consult factory for different % impedance and enclosure options.
- Consult the factory for larger horsepower Unidrive SP drives.

**Line and Load Reactor Selection - 575V and 690V AC Drives**

575V 3Ø 50/60 Hz AC Drive Input Line Reactors				
Drive Order Code	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
y3501	8	5000	25.3	LRH0008-X
y3502	8	5000	25.3	LRH0008-X
y3503	8	3000	29	LRM0008-X
y3504	12	2500	31	LRM0012-X
y3505	18	2500	43	LRH0018-X
y3506	25	1200	52	LRM0025-X
y3507	25	1200	52	LRM0025-X
y4603	35	800	54	LRM0035-X
y4604	45	700	62	LRM0045-X
y4605	55	500	67	LRM0055-X
y4606	80	400	86	LRM0080-X
y5601	80	400	86	LRM0080-X
y5602	100	300	84	LRM0100-X
y6601	130	200	180	LRM0130-X
y6602	160	150	149	LRM0160-X
690V 3Ø 50/60 Hz AC Drive Input Line Reactors				
y4601	25	1200	52	LRM0025-X
y4602	35	1200	54	LRH0035-X
y4603	35	800	54	LRM0035-X
y4604	45	700	62	LRM0045-X
y4605	55	500	67	LRM0055-X
y4606	80	700	96	LRH0080-X
y5601	80	400	86	LRM0080-X
y5602	100	300	84	LRM0100-X
y6601	130	200	180	LRM0130-X
y6602	160	230	138	LRH0160-X

575V 3Ø AC Drive Output Load Reactors				
Drive Order Code	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
y3501	8	3000	29	LRM0008-X
y3502	8	3000	29	LRM0008-X
y3503	12	1250	26	LRL0012-X
y3504	12	1250	26	LRL0012-X
y3505	18	800	36	LRL0018-X
y3506	25	500	48	LRL0025-X
y3507	35	400	49	LRL0035-X
y4603	45	300	54	LRL0045-X
y4604	45	300	54	LRL0045-X
y4605	55	250	64	LRL0055-X
y4606	80	200	82	LRL0080-X
y5601	100	150	94	LRL0100-X
y5602	100	150	94	LRL0100-X
y6601	130	100	108	LRL0130-X
y6602	160	75	116	LRL0160-X
690V 3Ø AC Drive Output Load Reactors				
y4601	25	1200	52	LRM0025-X
y4602	35	800	54	LRM0035-X
y4603	45	700	62	LRM0045-X
y4604	45	300	54	LRL0045-X
y4605	55	250	64	LRL0055-X
y4606	80	200	82	LRL0080-X
y5601	100	150	94	LRL0100-X
y5602	100	150	94	LRL0100-X
y6601	130	100	108	LRL0130-X
y6602	160	150	149	LRM0160-X

X = (C) for open chassis-mount; (E) for enclosed NEMA 1

**DRIVE ORDER CODE LEGEND:**

y = Commander SK or Unidrive SP

**NOTES:**

Line reactor average impedance is 3%.

Load reactor average impedance is 1.5%.

Consult factory for different % impedance and enclosure options.

Consult the factory for larger horsepower Unidrive SP drives.

Line Reactor Selection - 3 Phase DC Drives

230V 3Ø Input Line Reactors for Mentor II/MP & Quantum MP				
Drive Order Code	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
y25	25	500	48	LRL0025-X
y45	45	300	54	LRL0045-X
y75	80	200	82	LRL0080-X
y105	100	150	94	LRL0100-X
y155	160	75	116	LRL0160-X
y210	200	55	124	LRL0200-X
z350	320	40	224	LRL0320-X
z420	400	30	231	LRL0400-X
z550	500	25	266	LRL0500-X
z700	750	15	427	LRL0750-X
z825	750	15	427	LRL0750-X
z900	850	15	798	LRL0850-X
z1200	1200	9	980	LRL1200-X
z1850	Consult factory.			
460V 3Ø Input Line Reactors for Mentor II/MP & Quantum MP				
y25	25	1200	52	LRM0025-X
y45	45	700	62	LRM0045-X
y75	80	400	86	LRM0080-X
y105	100	300	84	LRM0100-X
y155	160	150	149	LRM0160-X
y210	200	110	168	LRM0200-X
y350	320	75	264	LRM0320-X
y420	400	60	333	LRM0400-X
y550	500	50	340	LRM0500-X
y700	750	48	552	LRH0750-X
y825	750	29	630	LRM0750-X
y900	850	27	930	LRM0850-X
z1200	1200	19	1130	LRM1200-X
z1850	Consult factory.			
575V 3Ø Input Line Reactors for Mentor MP				
MP25A5	25	1200	52	LRM0025-X
MP45A5	45	700	62	LRM0045-X
MP75A5	80	400	86	LRM0080-X
MP105A5	100	300	84	LRM0100-X
MP155A5	160	230	138	LRH0160-X
MP210A5	200	185	146	LRH0200-X
MP350A6	320	75	264	LRM0320-X
MP470A6	500	50	340	LRM0500-X
MP700A6	750	48	552	LRH0750-X
MP825A6	750	48	552	LRH0750-X
MP1200A6	1200	30	1550	LRH1200-X
MP1850A6	Consult factory.			

230V 3Ø Input Line Reactors for Quantum III				
Drive Order Code	Current (A)	Inductance (µH)	Watts Loss	Line Reactor Order Code
9500-8x02	45	300	54	LRL0045-X
9500-8x03	55	250	64	LRL0055-X
9500-8x05	100	150	94	LRL0100-X
9500-8x06	160	75	116	LRL0160-X
9500-8x07	250	45	154	LRL0250-X
9500-8x08	320	40	224	LRL0320-X
9500-8x09	400	30	231	LRL0400-X
9500-8x10	500	25	266	LRL0500-X
9500-8x11	600	20	307	LRL0600-X
9500-8x15	750	15	427	LRL0750-X
9500-8x16	850	15	798	LRL0850-X
9500-8x17	1000	11	940	LRL1000-X
9500-8x18	1200	9	980	LRL1200-X
9500-8x19	1400	8	1500	LRL1400-X
9500-8x20	1400	8	1500	LRL1400-X
460V 3Ø Input Line Reactors for Quantum III				
9500-8x02	45	700	62	LRM0045-X
9500-8x03	55	500	67	LRM0055-X
9500-8x05	100	300	84	LRM0100-X
9500-8x06	160	150	149	LRM0160-X
9500-8x07	250	90	231	LRM0250-X
9500-8x08	320	75	264	LRM0320-X
9500-8x09	400	60	333	LRM0400-X
9500-8x10	500	50	340	LRM0500-X
9500-8x11	600	40	414	LRM0600-X
9500-8x15	750	29	630	LRM0750-X
9500-8x16	850	27	930	LRM0850-X
9500-8x17	1000	22	1090	LRM1000-X
9500-8x18	1200	19	1130	LRM1200-X
9500-8x19	1400	16	1523	LRM1400-X
9500-8x20	1400	16	1523	LRM1400-X
690V 3Ø Input Line Reactors for Mentor MP				
MP350A6	320	125	351	LRH0320-X
MP470A6	500	85	422	LRH0500-X
MP700A6	750	48	552	LRH0750-X
MP825A6	750	48	552	LRH0750-X
MP1200A6	1200	30	1550	LRH1200-X
MP1850A6	Consult factory.			

X = (C) for open chassis-mount; (E) for enclosed NEMA 1

DRIVE ORDER CODE LEGEND:

- x = 3 for non-regen, 6 for regen Quantum III drives
- y = Mentor II, Mentor MP or Quantum MP
- z = Mentor II or Mentor MP

NOTES:

Line reactor average impedance is 3%.  
Consult factory for different % impedance and enclosure options.